

Date March 9, 2001

From

FULBRIGHT & JAWORSKI L.L.P.  
2200 Ross Avenue, Suite 2800  
Dallas, Texas 75201  
214/855-8000

**PATENT APPLICATION TRANSMITTAL LETTER**"Express Mail" label no. E1315115952USDate of Deposit: March 9, 2001

Box PATENT APPLICATION  
Assistant Commissioner  
for Patents  
Washington, D.C. 20231

I hereby certify that this is being deposited with the United States Postal Service Express "Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

By: Linda CucciaPrinted/Typed Name: Linda Cuccia

Sir:

Transmitted herewith for filing under 37 C.F.R. 1.53(b) is a(n):

- ☒ Utility  
☒ Original patent application,

Inventor(s): **Ravi Narasimhan, Phu Bill Wong, Shimon B. Scherzer, Jiangfeng Wu**For: **SPACE-TIME AND SPACE-FREQUENCY HOPPING FOR CAPACITY ENHANCEMENT OF MOBILE DATA SYSTEMS**

Enclosed are:

1. ☒ 39 pages of written description, claims and abstract.
2. ☒ 8 sheets of drawings.
3. ☒ Unsigned Combined Declaration and Power of Attorney.  
(a) ☐ Newly executed (original or copy)  
(b) ☐ Copy from prior application (37 CFR 1.63(d)) (for continuation/divisional if Box 5 completed)

**[Note Box 5 below]**

4. ☐ Incorporation by Reference (useable if Box (b) is checked).

The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 3(b), is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

5. ☐ If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:  
☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application Serial No:
6. ☐ Assignment Papers (cover sheet and document(s)) of the invention to
7. ☒ Applicant claims small entity status. See 37 CFR 1.27.
8. ☐ Information Disclosure Statement and Form PTO-1449. ☐ Copies of IDS Citations.

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9. ☒ Request and Certification of Non-Publication  
 10. ☐ Preliminary Amendment  
 11. ☒ Return Receipt Postcard (MPEP 503) (should be specifically itemized)  
 12. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)  
 13. ☐ Other: \_\_\_\_\_

14.

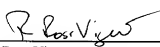
Utility Fee Calculation

CLAIMS	(1) FOR	(2) NUMBER FILED	(3) NUMBER EXTRA	(4) RATE	(5) CALCULATIONS
TOTAL CLAIMS (37 C.F.R. § 1.16(a) or (i))	61	- 20 =	41	X \$ 9	= 369.00
INDEPENDENT CLAIMS (37 C.F.R. § 1.16(b) or (i))	4	- 3 =	1	X \$ 40	= 40.00
MULTIPLE DEPENDENT CLAIMS (if applicable) (37 C.F.R. § 1.16(d))				+ 270.00	=
				Basic Fee	355.00
				Total of above Calculations =	
Reduction by 50% for filing by small entity (Note 37 C.F.R. §§ 1.9, 1.27 & 1.28)					
* Reissue claims in excess of 20 and over original patent					
** Reissue independent claims over original patent					
				TOTAL =	\$764.00

Method of Fee Payment

15. ☐ A check in the amount of \$ \_\_\_\_\_ to cover the filing fee is enclosed.  
 16. ☐ A check in the amount of \$40.00 to cover the assignment recordal fee is enclosed.  
 17. ☐ Please charge my Deposit Account No. 06-2380 in the total amount of the filing fee and the assignment recordation fee, if any. **A duplicate of this Transmittal Letter is enclosed, if box checked.**  
 18. ☐ The Commissioner is hereby authorized to charge any deficiency in the enclosed fees under 37 C.F.R. § 1.16, or to charge any patent application processing fees under 37 C.F.R. § 1.17, or credit any overpayment, to Fulbright & Jaworski L.L.P. Deposit Account No. 06-2380.

Respectfully submitted,

  
 R. Ross Viguet  
 Registration No. 42,203  
 Counsel for Applicant

Date: 3/7/01

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Ravi Narasimhan, Piu Bill Wong, Shimon B. Scherzer, Jiangfeng Wu  
Title: SPACE-TIME AND SPACE-FREQUENCY HOPPING FOR CAPACITY  
ENHANCEMENT OF MOBILE DATA SYSTEMS

BOX PATENT APPLICATION  
Commissioner for Patents  
Washington, D.C. 20231

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By: 

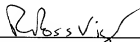
Printed/Typed Name: Linda Cuccia

## REQUEST AND CERTIFICATION OF NON-PUBLICATION

Sir:

I hereby certify that the invention disclosed in the attached application has not been, and is not currently contemplated to be, the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing. I hereby request that the attached application not be published under 35 U.S.C. 122(b).

Respectfully submitted,



R. Ross Viguet  
Registration No. 42,203  
Counsel for Applicant

Date: 3/9/01

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